

Specifications

PYD2200

Input Sensitivity/Impedance

Mic 1-2	1.5 mV/600 Ohms, bal/unbal
Phono 1-2	3.0 mV/50K Ohms
Line 1-9	150 mV/27K Ohms

Output Level

Amp	2.0 V/10kOhms
Booth	2.0 V/10kOhms
Record	150mV/10kOhms

Frequency Response

20Hz - 20kHz +/- 3 dB

S/N Ratio (at 1 kHz)

Mic >60 dB/1.5mV input

Phono >70 dB/3.0mV input

Line >80 dB/150 mV input

Distortion

Mic 0.20%

Phono 0.05%

Line 0.03%

High 10kHz; +12/-12dB

Mid 1 kHz; +12/-12dB

Low 100Hz; +12/-12dB

MIC Tone Control

High 10kHz; +10/-10dB

LOW 100Hz; +10/-10dB

Talkover Attenuation -16dB

Power Source 120 VAC, 60Hz/230 VAC, 50 Hz

Dimensions, inches 19.0 x 4 x 7

(mm) (482 x 101.6 x 177.8)

Limited Warranty

All PYLE PRO products are carefully constructed and tested before shipment. Units purchased in the USA are warranted to be free of defects in material and workmanship for two (2) years from the date of purchase. This warranty is limited to the original retail purchaser of the mixer.

Should the unit fail due to factory defects in material or workmanship, your unit will be repaired or replaced at the sole discretion of PYLE.

To obtain warranty service, you must first call our Consumer Return Hotline at (718) 236-6948 to obtain a Return Authorization Number. This R.A. # must appear on the outside of your package and on all paperwork relating to your return.

When returning the unit to us for warranty service, it must be carefully packed and shipped, prepaid, to:

R.A.#:
PYLE PRO Service Center
1600 63rd Street
Brooklyn, NY 11204

You must also include the following items with your return:

- A copy of your sales receipt or other proof of purchase.
- A brief letter, indicating the problem you are experiencing with the product.
- Include in your letter your return address, daytime phone number and R.A. number.
- Also include a check or money order for \$18.00 for return shipping, handling and insurance, or provide your Visa/MC number with expiration date.

Our obligation under this warranty is limited to the repair or replacement of the defective unit when it is returned to us prepaid. This warranty will be considered void if the unit was tampered with, improperly serviced or subject to misuse, neglect or accidental damage.

▼ Please complete warranty card, detach and return ▼

Thank you for purchasing this PYLE product. To activate your warranty, please mail this card within 10 days.

warranty registration card

PYLE PRO MIXERS

Name _____

Address _____

City, State ZIP _____

Model No. _____ Serial # (if available) _____

Date of Purchase _____

Purchased at:

Music Products Store Sound Contractor/Installer Mail Order
 Catalog Merchandiser Other _____

www.pyleaudio.com

9 - Pyle Pro Mixer Owner's Manual

PYLE[®]
PRO

PYD 2200

**5 channel
professional
mixer**

pro series



owner's manual

Your PYLE PRO Series Performance Mixer

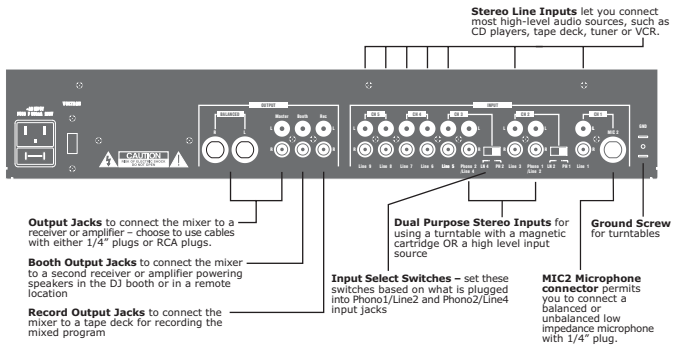
is a sophisticated control center, perfect for mixing sound from multiple playback sources such as microphones, tuners, CD players, turntables or the audio outputs from a VCR. This mixer is ruggedly constructed for home or professional use. Wide range volume controls permit you to adjust sound levels accurately to achieve just the right mix for playing through your speaker system or for recording.

Please read this manual thoroughly before you attempt to set up and use the mixer. It contains a range of suggestions and instructions to insure safe usage. Set up and used properly, you can expect years of trouble-free service from this product.

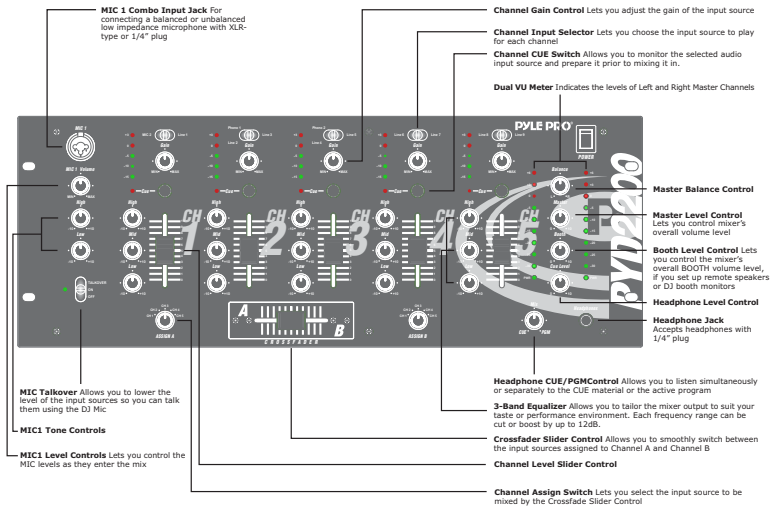
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Input/Output Features:



Features and Controls: PYD2200 Mixer



Presetting the Controls Before Use

Since sudden high output levels from your Pyle Pro mixer can damage not only audio devices connected to the mixer output but your hearing as well (especially if you are using headphones), please adjust the mixer's controls BEFORE connecting AC power or turning on the unit.

Set up the mixer controls like this before you start:

CONTROL	SETTING
Power On/Off	OFF
Balance	MID
Gain	MID
Tone Controls, High, Mid & Low	0
MIC 1, CH 1/2/3/4/5, Master & Cue Levels	0
Crossfader	CENTER

Connecting the Mixer Inputs

This mixer permits connection of up to nine (9) audio input sources, and two microphones. Such a system might include, for example:

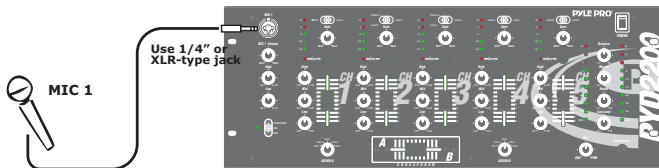
Two Microphones	Two Microphones	Two Microphones	Two Microphones
Two Turntables	Nine CD players	Two Turntables	Two Turntables
Seven CD players		Four CD players	Four CD players
		Three Cassette Decks	One Rhythm Synth
			Two Cassette Deck

Please observe the following:

Do not connect any audio source with a HIGH LEVEL OUTPUT to the LOW LEVEL PHONO 1 or PHONO 2 mixer audio input jacks (an audio source output with a volume control is HIGH LEVEL).

Connecting Microphones

Microphone 1. Connect a balanced/unbalanced low impedance (600 Ohm) XLR type MIC OR a low impedance MIC with a 1/4" plug to the MIC 1 jack in the upper left corner of the mixer control panel.

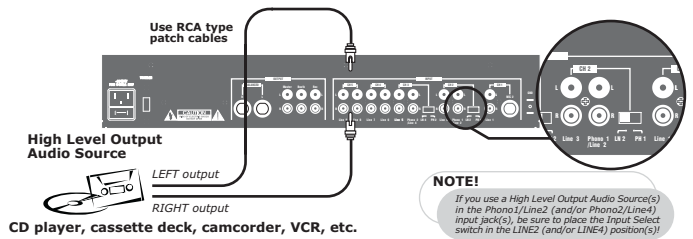


Microphone 2. Connect a high quality balanced/unbalanced low impedance (600 Ohm) microphone with a 1/4" plug to the MIC 2 jack on the lower left corner of the mixer's back panel.



Connecting High Level Output Audio Sources

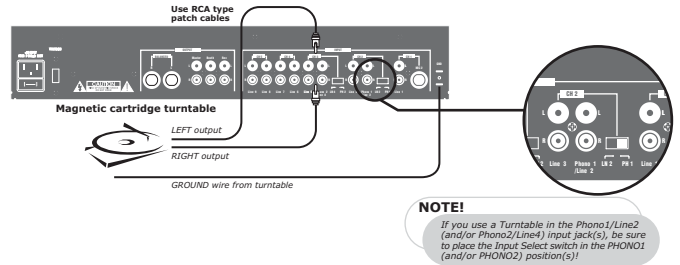
Connect up to 9 such sources (tuner, cassette deck, CD Player, camcorder or VCR) to the input jacks for Line 1, Line 2 (if not being used as Phono 1 input), Line 3, Line 4 (if not being used as Phono 2 input), Line 5, Line 6, Line 7, Line 8 and Line 9. Please note that Phono 1 and Line 2 (as well as Phono 2 and Line 4) use the same jacks. The selector switch(es) below the jacks should be set to Line position if the jacks are used for the High Level input sources described here.



Connecting Turntables and Other Level Output Audio Sources

Connect up to 2 turntables to the Phono 1 and Phono 2 input jacks. Please note that Phono 1 and Line 2 (as well as Phono 2 and Line 4) use the same jacks. The selector switch below the jacks should be set to Phono position if the jacks are used for phono inputs.

When using a turntable, you should also securely connect its ground wire (usually green or black) to the Ground screw on the input panel of the mixer.



Using the Channel Input Gain Controls

Adjusting the Gain controls for each channel permits you to fine tune the level of each of the audio inputs, since input levels usually vary. Rotate the Gain controls clockwise to increase levels. After you preset the gain levels for each input, it is recommended that you do not adjust them further, as you can cause sound level imbalances during a mix.

Connecting the Mixer Outputs

Output to an Amplifier

To play the mixer's output signal through your speaker system (for events such as parties, dances, conferences, etc.) connect an audio patch cord (not supplied) from the mixers AMP L and R jacks to your receiver amplifier's left and right input jacks.

This mixer features two kinds of output jacks for you to choose from: RCA style and 1/4" type. DO NOT USE BOTH SIMULTANEOUSLY.

Output to a Tape or Digital Audio Recorder

To play the mixer's output signal through your speaker system (for events such as parties, dances, conferences, etc.) connect an audio patch cord (not supplied) from the mixers REC L and R jacks to your receiver/amplifier's left and right input jacks.

Booth Output

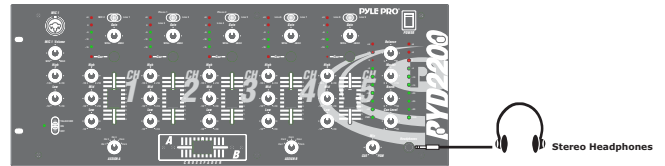
To monitor the mixer output to a second set of speakers in the DJ booth (or in a remote location) connect an audio patch cord (not supplied) from the mixers BOOTH L and R jacks to your secondary amplifier's left and right input jacks.

CAUTION: In order to avoid sudden unpleasant sound output, adjust the output devices controls to these settings before you connect the mixer's output jacks to these devices' input jacks.

OUTPUT DEVICE	CONTROL	SETTING
Tape Deck	POWER	OFF
Amplifier/Receiver	POWER	OFF
	ZONE	FLAT

Using Headphones

Plug a pair of stereo headphones (not supplied) with a 1/4" jack into the Phones input. Using headphones not only affords you the opportunity to listen privately, but also enables you to monitor ("cue") the incoming audio sources so you can locate an exact passage or section before mixing it in. It also gives you the opportunity to set up the relative volume level of the upcoming passage before it joins the mix.



Listen Safely! Please observe the following:

Do not listen at extremely high volume levels. Extended, high-volume listening can lead to permanent hearing loss. Follow these guidelines to protect your hearing, especially when using headphones.

Always start by setting the volume level to the lowest possible level before listening.

Put headphones on, and then gradually increase the volume as necessary.

Once you set the volume level do not increase it. Over a period of time, your ears adapt to a volume level and there is a temptation to increase it. Even though such an increase may not cause discomfort, it might still damage your hearing.

Using the Mixer Controls

Turning on the Mixer

1. Turn on the output amplifier and temporarily set its volume to the minimum setting.
2. On the mixer, turn ON the power switch. The power LED will illuminate.
3. Turn on the audio input sources you wish to mix, and set them to play (or talk continuously into the microphone).
4. To monitor the audio input sources so that you can decide when to mix in each input, see "Monitoring 'Cueing' the Inputs."
5. To mix the audio input sources so that you can play them through your amplifier system or record them on your tape deck, see "Mixing the Inputs."

Monitoring ("Cueing") the Inputs

1. Set the CUE ASSIGN switch of the input source (CH1, CH2, CH3, CH4 or CH 5) you wish to monitor.
2. Adjust the Headphone Level control to a comfortable listening level.
3. The Headphone CUE/PGM control permits you to switch easily from listening to CUE material to the playing PROGRAM sound. You can also listen to both simultaneously by moving the Headphone CUE/PGM control to a point midway between the two ends.

Mixing the Inputs

There are a maximum of ten input sources available at one time, including two microphone inputs. Both microphone input sources are always available as part of the mix, if desired. Each of the four audio channels can be linked to two different input sources, and one of these sources for each channel is available for mixing. Turn on all the available audio sources and be sure they are providing sound before continuing.

1. Select the Channel Input Selectors for each channel, choose the audio sources you want to mix for each channel (i.e., choose PHONO1/LINE2 or LINE3).
2. Set the Mic and Channel Level controls all to within the 8 - 10 range.
3. Rotary the MASTER volume control toward 10 until you get an average reading of 0 on both Output Level LED Meters. The output level displayed in the meters represents the TOTAL output from all the channels supplying audio to the mix. NOTE: Once you set this level, we suggest you do not change it!
4. If you add or change input sources, adjust the corresponding MIC1 or CH1, CH2, CH3, CH4 or CH5 level control(s) to maintain the average reading of 0 on the LED meters.
5. To change the overall sound level, adjust the RECEIVER/AMPLIFIER (NOT THE MIXER) volume control to the desired volume.

Adding Equalization to the Mix

These high, mid and low 3 band equalization controls, permit you to tailor the tone frequency of the each channels inputs processed through themix. left in their center positions, the sound is unaffected.

Using the Microphone

Incorporating Voice into the Mix

To blend voice from the microphones with the audio program material, first be sure the MIC/TALKOVER switch is set to the ON position. (In this position, the MIC channel is mixed into the program like any other audio input source.)

Then adjust the corresponding MIC level controls to increase or decrease the microphone level (this will not affect the main volume inputs). When a microphone is not in use, set the MIC/TALKOVER switch to OFF.

Talkover Mode

Talkover mode allows a voice to be heard clearly through the microphone by attenuating all the other audio input sources. This mode is engaged by setting the Talkover Switch to the TALKOVER position.

Microphone Tone Controls

These HIGH, and LOW controls, permit you to tailor the tone frequencies of the MIC inputs processed through the mix. Left in their center positions, the sound is unaffected ("flat").

Microphone Level Controls

The independent MIC1 controls permit you to increase or decrease the levels of these microphones within the mix.

Using the Crossfader with the Assign Switches

For crossfading effects, you can assign any of the five channels to either A or B sides of the crossfader mix using the Crossfader assign knobs.

When the crossfade slider is in the center position, the two assigned channels play equally. Sliding the control towards the A position will increase the level of A and fade out B proportionally to the distance from center. Likewise, sliding the control towards the B position will increase the level of B and fade out A.

Troubleshooting

Your mixer should require very little maintenance. If you have problems, refer to the chart below for possible solutions. If you cannot solve the problem, contact a qualified technician for assistance.

PROBLEM	POSSIBLE SOLUTION
Nothing works	<ul style="list-style-type: none"> • Check the AC connection. Make sure the AC outlet is "live." • Check the power connection to the rest of the system (receiver/amplifier, etc.)
No signal from an audio input source	<ul style="list-style-type: none"> • Check the control setting • Check the connection between the mixer and the input source
Hum from PHONO	<ul style="list-style-type: none"> • Check that the turntable's ground wire (usually black or green) is fastened securely to the GROUND SCREW on the mixer input panel
Hum from other source	<ul style="list-style-type: none"> • Make sure there are no low level inputs connected to the LINE input jacks
Feedback is present	<ul style="list-style-type: none"> • Move the microphone further away from the output speakers, or use a directional microphone

Care and Maintenance

Your Pyle Pro Mixer is an example of superior design and craftsmanship. The following suggestions will help you care for your mixer so you can enjoy years of use:

- Keep the mixer dry. If it gets wet, wipe immediately.
- Use the mixer only in well-ventilated installations.
- Handle the mixer gently and carefully - do not drop!
- Keep the mixer away from dust and dirt.
- Wipe occasionally with a damp cloth to keep it looking new. Do not use harsh chemicals, solvents or detergents!

▼ Please complete warranty card, detach and return ▼

Place Stamp Here



PYLE[®]
 PYLE PRO Audio, Inc.
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 Brooklyn, NY 11204